

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of: J. Varner  
Serial No.: 10/573,944                      Group No.: 1644  
Filed: 04/23/2007                      Examiner: Michail A. Belyavskiy  
Entitled: **METHODS FOR ALTERING HEMATOPOIETIC PROGENITOR  
CELL ADHESION, DIFFERENTIATION, AND MIGRATION**

**RESPONSE TO MARCH 11, 2010  
FINAL OFFICE ACTION**

Mail Box RCE  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**CERTIFICATE OF ELECTRONIC FILING**

I hereby certify that this correspondence (along with any referred to as being attached or enclosed) is, on the date shown below, being deposited with the U.S. Patent and Trademark Office, via EFS.

Dated: June 11, 2010

By: s/tracilight/  
Traci E. Light

Examiner Belyavskiy:

This is responsive to the above-referenced Final Office Action, and is timely filed within the 3-month shortened statutory period ending after June 11, 2010. Accordingly, a request and fee for an extension of time are not enclosed.

Enclosed is a Request for Continued Examination (RCE) and fee, submitted by EFS.

Amendments to the claims begin on page 2.

Remarks begin on page 6.